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DATE: Friday, May 13, 2005

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		<i>DB=PGPB; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L8	L7 and phospholipase and venom	10
<input type="checkbox"/>	L7	polistinae or annularis or paper wasp	23
		<i>DB=USPT,USOC,EPAB,JPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L6	L5 and phospholipase and venom	9
<input type="checkbox"/>	L5	polistinae or annularis or paper wasp	122
		<i>DB=PGPB; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L4	L3 and phospholipase	10
<input type="checkbox"/>	L3	polistinae annularis or p. annularis or paper wasp	16
		<i>DB=USPT,USOC,EPAB,JPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L2	L1 and phospholipase	9
<input type="checkbox"/>	L1	polistinae annularis or p. annularis or paper wasp	26

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☐ 1. Document ID: US 20050074462 A1

L4: Entry 1 of 10

File: PGPB

Apr 7, 2005

PGPUB-DOCUMENT-NUMBER: 20050074462

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050074462 A1

TITLE: Supression of allergic reactions by transdermal administration of allergens conjugated to cholera toxin or fragments thereof

PUBLICATION-DATE: April 7, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Holmgren, Jan	Vastra Frolunda		SE	
Czerkinsky, Cecil	Nice		FR	

US-CL-CURRENT: [424/185.1](#); [424/235.1](#), [424/449](#)

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Draw De](#)

☐ 2. Document ID: US 20050063994 A1

L4: Entry 2 of 10

File: PGPB

Mar 24, 2005

PGPUB-DOCUMENT-NUMBER: 20050063994

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050063994 A1

TITLE: Methods and reagents for decreasing clinical reaction to allergy

PUBLICATION-DATE: March 24, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Caplan, Michael J.	Woodbridge	CT	US	
Bottomly, Kim H.	New Haven	CT	US	
Sosin, Howard B.	Fairfield	CT	US	
Burks, A. Wesley	Chapel Hill	NC	US	
Sampson, Hugh A.	Larchmont	NY	US	

US-CL-CURRENT: 424/200.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 3. Document ID: US 20040175393 A1

L4: Entry 3 of 10

File: PGPB

Sep 9, 2004

PGPUB-DOCUMENT-NUMBER: 20040175393

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040175393 A1

TITLE: Cloning and recombinant production of polistinae venom enzymes, such as phospholipase and hyaluronidase, and imunological therapies based thereon

PUBLICATION-DATE: September 9, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
King, Te Piao	New York	NY	US	

US-CL-CURRENT: 424/185.1; 435/196, 435/252.3, 435/254.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 4. Document ID: US 20040091500 A1

L4: Entry 4 of 10

File: PGPB

May 13, 2004

PGPUB-DOCUMENT-NUMBER: 20040091500

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040091500 A1

TITLE: Recombinant allergens

PUBLICATION-DATE: May 13, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ipsen, Hans Henrik	Hillerod		DK	
Spangfort, Michael Dho	Helsingborg		SE	
Larsen, Jorgen Nedergaard	Graested		DK	

US-CL-CURRENT: 424/185.1; 435/69.3, 703/11

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 5. Document ID: US 20040043438 A1

L4: Entry 5 of 10

File: PGPB

Mar 4, 2004

PGPUB-DOCUMENT-NUMBER: 20040043438
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040043438 A1

TITLE: Allergen mutants

PUBLICATION-DATE: March 4, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Holm, Jens	Copenhagen N		DK	
Ferreras, Mercedes	Copenhagen O		DK	

US-CL-CURRENT: 435/7.92; 530/370, 530/387.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
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☐ 6. Document ID: US 20040016025 A1

L4: Entry 6 of 10

File: PGPB

Jan 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040016025
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040016025 A1

TITLE: Rice promoters for regulation of plant expression

PUBLICATION-DATE: January 22, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Budworth, Paul	San Diego	CA	US	
Moughamer, Todd	San Diego	CA	US	
Briggs, Steven P.	Del Mar	CA	US	
Cooper, Bret	La Jolla	CA	US	
Glazebrook, Jane	San Diego	CA	US	
Goff, Stephen Arthur	Encinitas	CA	US	
Katagiri, Fumiaki	San Diego	CA	US	
Kreps, Joel	Carlsbad	CA	US	
Provar, Nicholas	Toronto	CA	CA	
Ricke, Darrell	San Diego	CA	US	
Zhu, Tong	San Diego		US	

US-CL-CURRENT: 800/287; 435/320.1, 435/419, 800/312, 800/320, 800/320.1, 800/320.2, 800/320.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
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☐ 7. Document ID: US 20030175312 A1

L4: Entry 7 of 10

File: PGPB

Sep 18, 2003

PGPUB-DOCUMENT-NUMBER: 20030175312
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030175312 A1

TITLE: Novel mutant allergens

PUBLICATION-DATE: September 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Holm, Jens	Fredensborg		DK	
Ipsen, Hans Henrik	Hillerod		DK	
Larsen, Jorgen Nedergaard	Graested		DK	
Spangfort, Michael Dho	Helsingborg		SE	

US-CL-CURRENT: 424/275.1; 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 8. Document ID: US 20030082190 A1

L4: Entry 8 of 10

File: PGPB

May 1, 2003

PGPUB-DOCUMENT-NUMBER: 20030082190
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030082190 A1

TITLE: Fusion molecules and treatment of IgE-mediated allergic diseases

PUBLICATION-DATE: May 1, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Saxon, Andrew	Santa Monica	CA	US	
Zhang, Ke	Los Angeles	CA	US	
Zhu, Daocheng	Los Angeles	CA	US	

US-CL-CURRENT: 424/178.1; 435/320.1, 435/334, 435/69.7, 530/391.1, 536/23.53

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 9. Document ID: US 20030064063 A1

L4: Entry 9 of 10

File: PGPB

Apr 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030064063

PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030064063 A1

TITLE: Fusion molecules and methods for treatment of immune diseases

PUBLICATION-DATE: April 3, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Saxon, Andrew	Santa Monica	CA	US	

US-CL-CURRENT: 424/131.1; 435/320.1, 435/327, 435/69.7, 530/387.2, 536/23.53

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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10. Document ID: US 20030039660 A1

L4: Entry 10 of 10

File: PGPB

Feb 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030039660
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030039660 A1

TITLE: Recombinant hybrid allergen constructs with reduced allergenicity that retain immunogenicity of the natural allergen

PUBLICATION-DATE: February 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
King, Te Piao	New York	NY	US	
Spangfort, Michael Dho	Viken		SE	

US-CL-CURRENT: 424/185.1; 424/275.1, 435/183

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 1. Document ID: US 6652851 B1

L2: Entry 1 of 9

File: USPT

Nov 25, 2003

US-PAT-NO: 6652851

DOCUMENT-IDENTIFIER: US 6652851 B1

TITLE: Cloning and recombinant production of polistinae venom enzymes, such as phospholipase and hyaluronidase, and immunological therapies based thereon

DATE-ISSUED: November 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
King; Te Piao	New York	NY		

US-CL-CURRENT: 424/94.62; 435/201, 435/252.3, 435/252.33, 435/254.11, 435/320.1, 435/325, 435/69.1, 530/350, 536/23.1, 536/23.2, 536/23.5

ABSTRACT:

A unique clone of a Polistinae venom enzyme, recombinantly produced Polistinae venom enzymes, and methods of using the recombinant enzymes are provided. In a specific example, both phospholipase and hyaluronidase cDNA from Polistes annulares contain apparent "intronic" sequences. In still a further embodiment, genetic engineering permits the construction of the "intronic" sequences to yield a useful coding sequence for expression of mature Polistinae venom enzyme proteins.

18 Claims, 12 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 11

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw De
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☐ 2. Document ID: US 6372471 B1

L2: Entry 2 of 9

File: USPT

Apr 16, 2002

US-PAT-NO: 6372471

DOCUMENT-IDENTIFIER: US 6372471 B1

TITLE: Cloning and recombinant production of vespid venom enzymes, such as phospholipase and hyaluronidase, and immunological therapies based thereon

DATE-ISSUED: April 16, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
King; Te Piao	New York	NY		

US-CL-CURRENT: 435/198; 424/94.1, 435/252.3, 435/320.1, 530/350, 536/23.2

ABSTRACT:

The present invention is directed to nucleic acids encoding vespid venom enzymes, or fragments thereof, recombinant vectors comprising such nucleic acids, and host cells containing the recombinant vectors. The invention is further directed to expression of such nucleic acids to produce recombinant vespid venom enzymes, or recombinant fragments, derivatives or analogs thereof. Such recombinant products are useful for diagnosis of allergy and for therapeutic treatment of allergy. In specific embodiments, the present invention provides nucleic acids encoding, and complete nucleotide and amino acids sequences for, vespid venom phospholipase, for example, Polistes annularis phospholipase A.sub.1, and vespid venom hyaluronidase, for example, Polistes annularis hyaluronidase. Moreover, agents and pharmaceutical compositions are disclosed which modulate the immune system's ability to attack an immunogen, along with methods of using such agents and pharmaceutical compositions to modulate immune response, or to treat immune system related diseases or disorders, or symptoms related thereto.

9 Claims, 26 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 23

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw. De
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☐ 3. Document ID: US 6287559 B1

L2: Entry 3 of 9

File: USPT

Sep 11, 2001

US-PAT-NO: 6287559

DOCUMENT-IDENTIFIER: US 6287559 B1

TITLE: Cloning and recombinant production of vespid venom hyaluronidases, and immunological therapies based thereon

DATE-ISSUED: September 11, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
King; Te Piao	New York	NY		

US-CL-CURRENT: 424/94.62; 435/201, 435/252.3, 435/320.1, 435/69.1, 530/350, 536/23.2, 536/23.4, 536/23.5

ABSTRACT:

The present invention is directed to nucleic acids encoding vespid venom enzymes,

or fragments thereof, recombinant vectors comprising such nucleic acids, and host cells containing the recombinant vectors. The invention is further directed to expression of such nucleic acids to produce recombinant vespid venom enzymes, or recombinant fragments, derivatives or analogs thereof. Such recombinant products are useful for diagnosis of allergy and for therapeutic treatment of allergy. In specific embodiments, the present invention provides nucleic acids encoding, and complete nucleotide and amino acids sequences for, vespid venom phospholipase, for example, Dolichovespula maculata phospholipase and Vespula vulgaris phospholipase, and vespid venom hyaluronidase, for example, Dolichovespula maculata hyaluronidase.

12 Claims, 15 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 13

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw De
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☐ 4. Document ID: US 6270763 B1

L2: Entry 4 of 9

File: USPT

Aug 7, 2001

US-PAT-NO: 6270763

DOCUMENT-IDENTIFIER: US 6270763 B1

**** See image for Certificate of Correction ****

TITLE: Cloning and recombinant production of vespid venom phospholipases, and immunological therapies based thereon

DATE-ISSUED: August 7, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
King; Te Piao	New York	NY	10021	

US-CL-CURRENT: 424/94.6; 435/198, 435/252.3, 435/252.33, 435/320.1, 530/350, 536/23.1, 536/23.2, 536/23.5

ABSTRACT:

The present invention is directed to nucleic acids encoding vespid venom phospholipases, or fragments thereof, recombinant vectors comprising such nucleic acids, and host cells containing the recombinant vectors. The invention is further directed to expression of such nucleic acids to produce recombinant vespid venom phospholipases, or recombinant fragments, derivatives or analogs thereof. Such recombinant products are useful for diagnosis of allergy and for therapeutic treatment of allergy. In specific embodiments, the present invention provides nucleic acids encoding, and complete nucleotide and amino acids sequences for, vespid venom phospholipase A1, for example, Dolichovespula maculata phospholipase A.sub.1 and Vespula vulgaris phospholipase A1.

12 Claims, 7 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 7

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw. De
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☐ 5. Document ID: US 6106844 A

L2: Entry 5 of 9

File: USPT

Aug 22, 2000

US-PAT-NO: 6106844

DOCUMENT-IDENTIFIER: US 6106844 A

TITLE: Immunomodulatory peptides of vespid antigen 5

DATE-ISSUED: August 22, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
King; Te Piao	New York	NY		

US-CL-CURRENT: 424/275.1; 424/184.1, 424/185.1, 435/69.1, 530/300, 530/806,
530/858, 536/23.2, 536/23.5

ABSTRACT:

The present invention is directed to immunogenic peptides from vespid antigen 5. These immunogenic peptides can be used in immunotherapy for vespid venom allergic individuals. The present invention is thus directed to T cell epitopes of vespid antigen 5 that can anergize T cell responses in sensitive individuals.

11 Claims, 15 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 11

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw. De
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☐ 6. Document ID: US 5804201 A

L2: Entry 6 of 9

File: USPT

Sep 8, 1998

US-PAT-NO: 5804201

DOCUMENT-IDENTIFIER: US 5804201 A

**** See image for Certificate of Correction ****

TITLE: Immunomodulatory peptides of vespid antigen 5

DATE-ISSUED: September 8, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
King; Te Piao	New York	NY		

US-CL-CURRENT: 424/275.1; 424/184.1, 424/185.1, 435/69.1, 530/300, 530/806,
530/858, 536/23.2, 536/23.5

ABSTRACT:

The present invention is directed to immunogenic peptides from vespid antigen 5. These immunogenic peptides can be used in immunotherapy for vespid venom allergic individuals. The present invention is thus directed to T cell epitopes of vespid antigen 5 that can anergize T cell responses in sensitive individuals.

12 Claims, 17 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 11

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KIND	Draw De
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☐ 7. Document ID: US 5612209 A

L2: Entry 7 of 9

File: USPT

Mar 18, 1997

US-PAT-NO: 5612209

DOCUMENT-IDENTIFIER: US 5612209 A

TITLE: Cloning and recombinant production of vespid venom phospholipases, and immunological therapies based thereon

DATE-ISSUED: March 18, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
King; Te P.	New York	NY		

US-CL-CURRENT: 435/198; 435/320.1, 435/69.1, 530/300, 536/23.2, 536/23.5, 536/24.31

ABSTRACT:

The present invention is directed to nucleic acids encoding vespid venom phospholipases, or fragments thereof, recombinant vectors comprising such nucleic acids, and host cells containing the recombinant vectors. The invention is further directed to expression of such nucleic acids to produce recombinant vespid venom phospholipases, or recombinant fragments, derivatives or analogs thereof. Such recombinant products are useful for diagnosis of allergy and for therapeutic treatment of allergy. In specific embodiments, the present invention provides nucleic acids encoding, and complete nucleotide and amino acids sequences for, vespid venom phospholipase A1, for example, Dolichovespula maculata phospholipase A.sub.1 and Vespula vulgaris phospholipase A1.

22 Claims, 7 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 7

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KIND	Draw De
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☐ 8. Document ID: US 5593877 A

L2: Entry 8 of 9

File: USPT

Jan 14, 1997

US-PAT-NO: 5593877

DOCUMENT-IDENTIFIER: US 5593877 A

TITLE: Nucleic acid and recombinant production of vespid venom hyaluronidase

DATE-ISSUED: January 14, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
King; Te P.	New York	NY		

US-CL-CURRENT: 435/197; 435/320.1, 435/69.1, 536/23.2, 536/23.5, 536/24.31

ABSTRACT:

The present invention is directed to nucleic acids encoding vespid venom enzymes, or fragments thereof, recombinant vectors comprising such nucleic acids, and host cells containing the recombinant vectors. The invention is further directed to expression of such nucleic acids to produce recombinant vespid venom enzymes, or recombinant fragments, derivatives or analogs thereof. Such recombinant products are useful for diagnosis of allergy and for therapeutic treatment of allergy. In specific embodiments, the present invention provides nucleic acids encoding, and complete nucleotide and amino acids sequences for, vespid venom phospholipase, for example, Dolichovespula maculata phospholipase and Vespula vulgaris phospholipase, and vespid venom hyaluronidase, for example, Dolichovespula maculata hyaluronidase.

12 Claims, 15 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 13

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw De
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☐ 9. Document ID: US 4473495 A

L2: Entry 9 of 9

File: USPT

Sep 25, 1984

US-PAT-NO: 4473495

DOCUMENT-IDENTIFIER: US 4473495 A

TITLE: Albumin-solubilized hymenoptera venoms for vaccine use

DATE-ISSUED: September 25, 1984

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Patterson; Roy	Wilmette	IL		

US-CL-CURRENT: 530/363; 424/184.1, 424/193.1, 424/194.1, 424/275.1, 530/403, 530/858

ABSTRACT:

Hymenoptera venoms for vaccine immunization of human subjects are prepared by copolymerizing the venom with albumin using glutaraldehyde as the polymerizing reagent. Sufficient albumin is used to produce water-soluble copolymers of high molecular weight. The resulting water-soluble copolymers of molecular weights above 200,000 daltons are separated from the residual reagents, insolubles, and lower molecular weight polymers or copolymers.

4 Claims, 0 Drawing figures
Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw De
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